

1. (Currently Amended) A surface-coated cutting tool member whose hard coating layer exhibiting a superior wear resistance during a high speed cutting operation, the surface-coated cutting tool member comprising:

a hard coating layer of a nitride compound containing aluminum and titanium, which is formed on a surface of the substrate using a physical vapor deposition method at an overall average thickness of 1 to 15 μm ,

wherein, the maximum aluminum containing points satisfy a composition formula of $(Al_XTi_{1-X})N$ (where X indicates an atomic ratio of 0.70 to 0.95), the minimum aluminum containing points satisfy a composition formula of $(Al_YTi_{1-Y})N$ (where Y indicates an atomic ratio of 0.40 to 0.65), and

wherein the hard coating layer has a component concentration profile in which the maximum aluminum containing points (the minimum titanium containing points) and the minimum aluminum containing points (the maximum titanium containing points) appear alternately ~~alternatingly~~ and repeatedly at a predetermined interval in a direction of thickness of the hard coating layer, and the amount of contained aluminum (or titanium) is continuously changed from the maximum aluminum containing points to the minimum aluminum containing points and from the minimum aluminum containing points to the maximum aluminum containing points,

wherein the maximum aluminum containing points satisfy a composition formula of $(Al_XTi_{1-X})N$ (where X indicates an atomic ratio of 0.70 to 0.95), the minimum aluminum containing points satisfy a composition formula of $(Al_YTi_{1-Y})N$ (where Y indicates an atomic ratio of 0.40 to 0.65), and

wherein a distance between one of the maximum aluminum containing points and adjacent one of the minimum aluminum containing points is from 0.01 to 0.1 μm .